

Common Sense Initiative, Automobile Manufacturing Sector

***U.S. Automobile Assembly Plants and Their Communities:
Environmental Economic, and Demographic Profile***

**Part III: Automobile/Light Duty Truck Assembly
Plant-Community Profiles**

**47. General Motors
Moraine, OH**

December 1997

Contents and Guidelines for Use

Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.

Contents:

Plant Locations (National and Michigan maps)
Plant Location, Database Identification Numbers, 1994 Production and Employment
1991 and 1993 RCRA Biennial Report Summary
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1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant
Air Quality Attainment Status for Criteria Pollutants (as of 1994)
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Area Wide 1994 TRI Emission Profile (map)
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical
Demographic Characteristics (maps)

General Guidelines for Use

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

Notes on Comparisons Across Facilities

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

Plant-Community Profile:
General Motors
Moraine OH

12/2/97

LOCATION	Address	2601 W. Stroop Rd., Moraine OH 45439	DESCRIPTION	Produced Chev Blazer, GMC Jimmy, Olds Bravada, and Chev S postal in 1994.	
	Lat/Long:	latitude (degrees N) 39 41' 49"			
		longitude (degrees W) 84 13' 2"			
	County:	Montgomery MSA: Dayton-Springfield OH			
OPERATIONS	Other counties within 3 miles of plant:	none	ID NUMBERS	RCRA ID	OHD041063074
				AIRS ID	AFS3911300150
				NPDES ID	-
				TRI	45439GNRLM2601W
	Production	Employment			
	Calendar Year: 1991	198,284			
	1992	184,592			
	1993	211,523			
	1994	130,239	3,627		

PLANT ENVIRONMENTAL PROFILE

RCRA BIENNIAL REPORT

<i>Waste Code(s)</i>	<i>Wastewater?</i>	<i>Physical Form</i>	<i>Source</i>	<i>Mgd. On/Off-Site</i>	<i>Management Method</i>	<i>Quantity Generated (tons)</i>	<i>Quantity Shipped (tons)</i>	<i>Quantity Mgd. On-Site (tons)</i>
<i>1991</i>								
D001 (ignitable) D039 (tetrachlorethylene)	?	Not rep't	Not rep't	Off	Not rep't	6.7	6.7	0.0
D001 (ignit) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	2,485.7	2,485.7	0.0
D001 (ignit) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	39.1	39.1	0.0
D008 (lead)	?	Not rep't	Not rep't	Off	Not rep't	14.1	14.1	0.0
D008 (lead)	?	Not rep't	Not rep't	Off	Not rep't	20.1	20.1	0.0
F005 (nonhalog. solvents)	?	Not rep't	Not rep't	Off	Not rep't	0.6	0.6	0.0
TOTAL - 1991						2,566.3	2,566.3	0.0
<i>1993</i>								
D001 (ignitable)	?	Not rep't	Not rep't	Off	Not rep't	11.1	11.1	0.0
D001 (ignitable) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	2,703.8	2,703.8	0.0
D001 (ignitable) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	44.9	44.9	0.0
D001 (ignitable) F003 (solvents)	?	Not rep't	Not rep't	Off	Not rep't	36.3	36.3	0.0
D001, D018, D039	?	Not rep't	Not rep't	Off	Not rep't	7.6	7.6	0.0
D006, D007, D008, D039	?	Not rep't	Not rep't	Off	Not rep't	1.3	1.3	0.0
D008 (lead)	?	Not rep't	Not rep't	Off	Not rep't	12.6	12.6	0.0
F003, F005 (nonhalog solvents)	?	Not rep't	Not rep't	Off	Not rep't	0.7	0.7	0.0
TOTAL - 1993						2,818.3	2,818.3	0.0

TOXICS RELEASE INVENTORY

<i>Total lbs of TRI chemicals:</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
1991	10,255	1,770,713	1,780,968	0	0	2,337,000	169,550	0	2,506,550
1992	4,510	1,551,315	1,555,825	0	0	2,304,500	124,250	0	2,428,750
1993	4,900	1,689,000	1,693,900	0	0	2,729,000	120,650	0	2,849,650
1994	4,536	521,610	526,146	0	244,000	401,000	0	1,380	646,380
Lbs. per vehicle produced:									
1991	0.05	8.93	8.98	0.00	0.00	11.79	0.86	0.00	12.64
1992	0.02	8.40	8.43	0.00	0.00	12.48	0.67	0.00	13.16
1993	0.02	7.98	8.01	0.00	0.00	12.90	0.57	0.00	13.47
1994	0.03	4.01	4.04	0.00	1.87	3.08	0.00	0.01	4.96

Plant-Community Profile:
General Motors
Moraine OH

12/2/97

PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

<i>Chemical Name</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
METHANOL	25	190,000	190,025	0	180,000	7,000	0	0	187,000
N-BUTYL ALCOHOL	250	28,000	28,250	0	0	14,000	0	0	14,000
BENZENE	0	120	120	0	0	0	0	0	0
DICHLORODIFLUOROMETHANE	3,200	0	3,200	0	0	0	0	0	0
METHYL ETHYL KETONE	250	24,000	24,250	0	0	0	0	0	0
1,2,4-TRIMETHYLBENZENE	0	180	180	0	0	0	0	0	0
ETHYLBENZENE	0	2,000	2,000	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	250	110,000	110,250	0	64,000	130,000	0	0	194,000
TOLUENE	250	7,300	7,550	0	0	0	0	0	0
CYCLOHEXANE	61	0	61	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	250	160,000	160,250	0	0	250,000	0	0	250,000
COPPER	0	10	10	0	0	0	0	0	0
LEAD COMPOUNDS	0	0	0	0	0	0	0	1,380	1,380
TOTAL	4,536	521,610	526,146	0	244,000	401,000	0	1,380	646,380

VOC/NOx Emissions:
(lbs/year)

	<i>VOCs</i>	<i>NOx</i>
1990	2,776,320	73,240
1991	NA	NA
1992	NA	NA
1993	NA	NA
1994	NA	NA

**Plant-Community Profile:
General Motors
Moraine OH**

12/2/97

COMMUNITY ENVIRONMENTAL PROFILE

TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)

<i>Facility (w. map #)</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Transfers</i>	<i>Total Transfers</i>
1 APEX COOPER POWER TOOLS DIV. (0	0	0	0	14,400	14,400
2 DAYTON WHEEL PRODS.	7,965	7,960	15,925	61	2,963	3,024
3 JAMES RIVER PAPER CO. INC.	113,000	61,000	174,000	0	96,100	96,100
4 GMC DELCO CHASSIS DIV.	27,470	6,565	34,097	7,901	348,761	356,662
5 DAYTON ALLOY WHEEL	0	50	50	61	5,220	5,281
6 MONSANTO CO.	3,488	1,580	5,068	32,054	89,518	121,572
7 PLATING TECH.	0	0	0	1,563	81,431	82,994
8 DAYTON WALTHER CORP.	0	0	0	0	0	0
9 DAYTON SHOWCASE CO.	0	10,530	10,530	0	0	0
10 ALAN-LAF INC.	0	0	0	0	0	0
11 NDM ACQUISITION CORP.	1,100	250	1,350	0	4,800	4,800
13 GMC MORaine PLANT HARRISON DI\	38,416	30,927	70,299	246,108	568,581	814,689
14 GMPT MORaine ENGINE PLANT	1,436	8,164	9,600	0	8,862	8,862
15 APPLETON PAPERS INC.	0	0	0	0	0	0
16 APPLETON PAPERS INC.	13,000	183,500	196,508	0	58,500	58,500
17 W. CARROLLTON PARCHMENT CO.	0	0	0	0	0	0
18 MIAMI PAPER CORP.	2,359	14,294	17,628	0	0	0
Total	208,234	324,820	535,055	287,748	1,279,136	1,566,884

**Air Quality Attainment Status
(as of 1994)***

ozone - nonattainment (moderate)*
carbon monoxide - attainment or unclassifiable
particulates - unclassifiable
lead - unclassifiable
NO2 - cannot be classified or better than national standards
SO2 - attainment

* redesignated attainment effective 7/5/95 (60 FR 22289)

**Plant-Community Profile:
General Motors
Moraine OH**

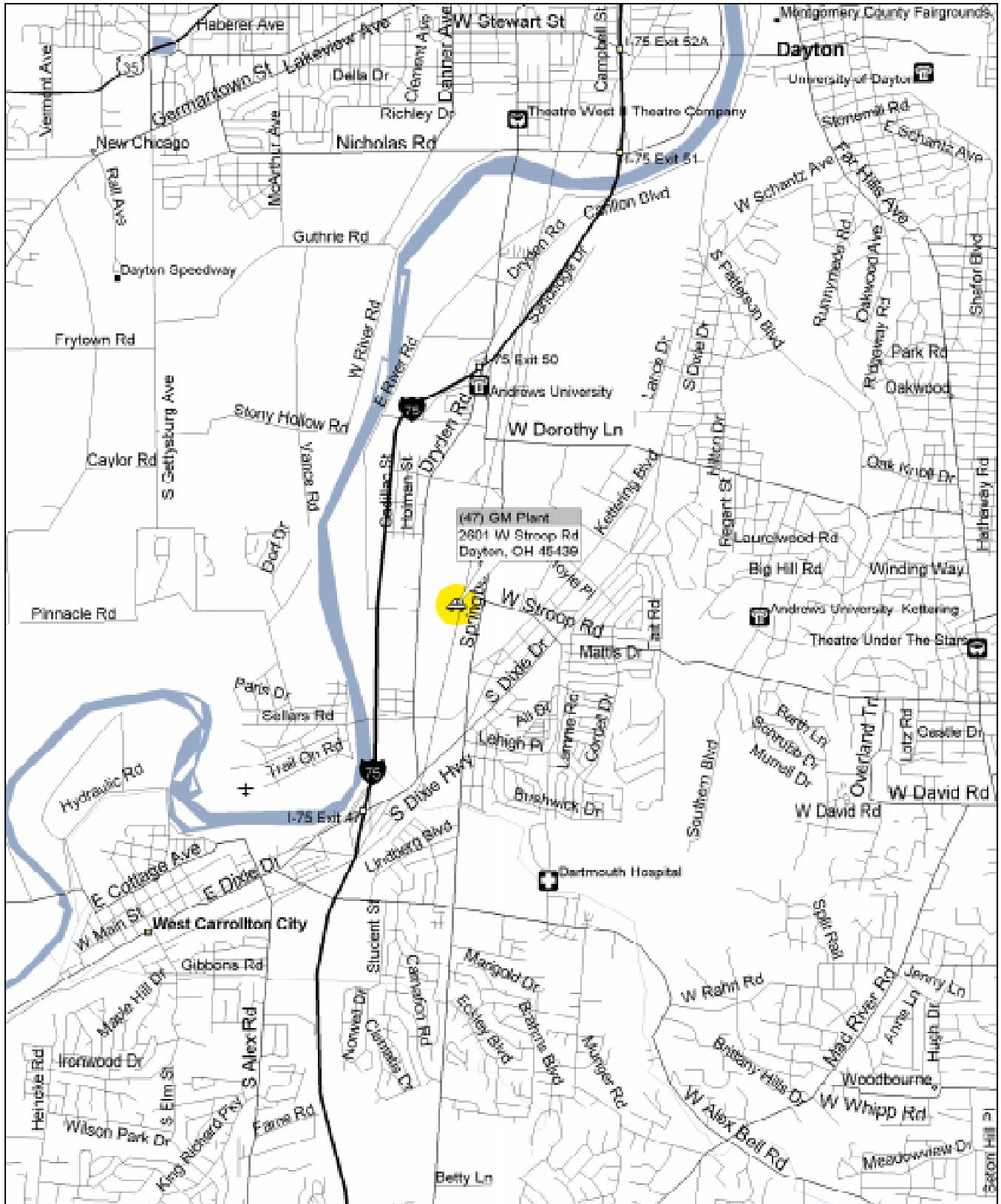
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COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS

	<i>Census Block</i>	<i>0-1 Mile</i>	<i>0-3 Miles</i>	<i>1-3 Miles</i>	<i>3-5 Miles</i>	<i>County</i>	<i>State</i>	<i>U.S.</i>
Total Population (1994)	NA	NA	NA	NA	NA	572,137	11,102,268	260,340,990
Total Population (1990)	304	4,127	51,679	47,552	145,720	573,809	10,847,115	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	<0	2	5
Total Area (sq. mi.) (1990)	3.5	3.1	28.2	25.1	50.2	461.7	40,952.6	3,536,278.1
Population/sq. mi. (land area) (1990)	88	1,356	1,934	2,009	3,050	1,243	265	70
Median Household Income (1994)						NA	31,855	32,264
Median Household Income (1989)						30,111	28,706	30,056
% Change 1979-1989 (constant \$)						2	-4	7
% Change 1989-1994 (constant \$)						NA	11	7
Per Capita Personal Income (1993)						20,713	19,696	20,800
Per Capita Personal Income (1989)						17,748	16,644	17,690
% Change 1989-1993 (current \$)						17	18	18
Minority Percentage (1990)	0	1	20	22	23	19	12	20
Pct. of Households Below Poverty Level (1989)	54	15	19	19	25	16	24	20
Pct. Not Completing High School (1990)	48	22	18	18	19	22	23	25
Total Employment (1994) (civilian nonfarm)						283,954	5,537,000	131,056,000
Unemployment Rate (1994)						5	6	6
Manufacturing Employment (1993)						63,129	1,046,039	18,183,381
Mfgr. as % Total Employment (1993)						24	25	19
Manufacturing Employment (1992)						NA	1,046,000	18,253,000
Production Workers (1992)						NA	681,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	-5	-4
Assembly Plant as % Total Mfgr. Workers						6		

Data sources used were not always complete or current.
Attempts have been made to verify data, but errors may still exist.

Moraine, OH, GM Plant



Microsoft Expedia

Streets98

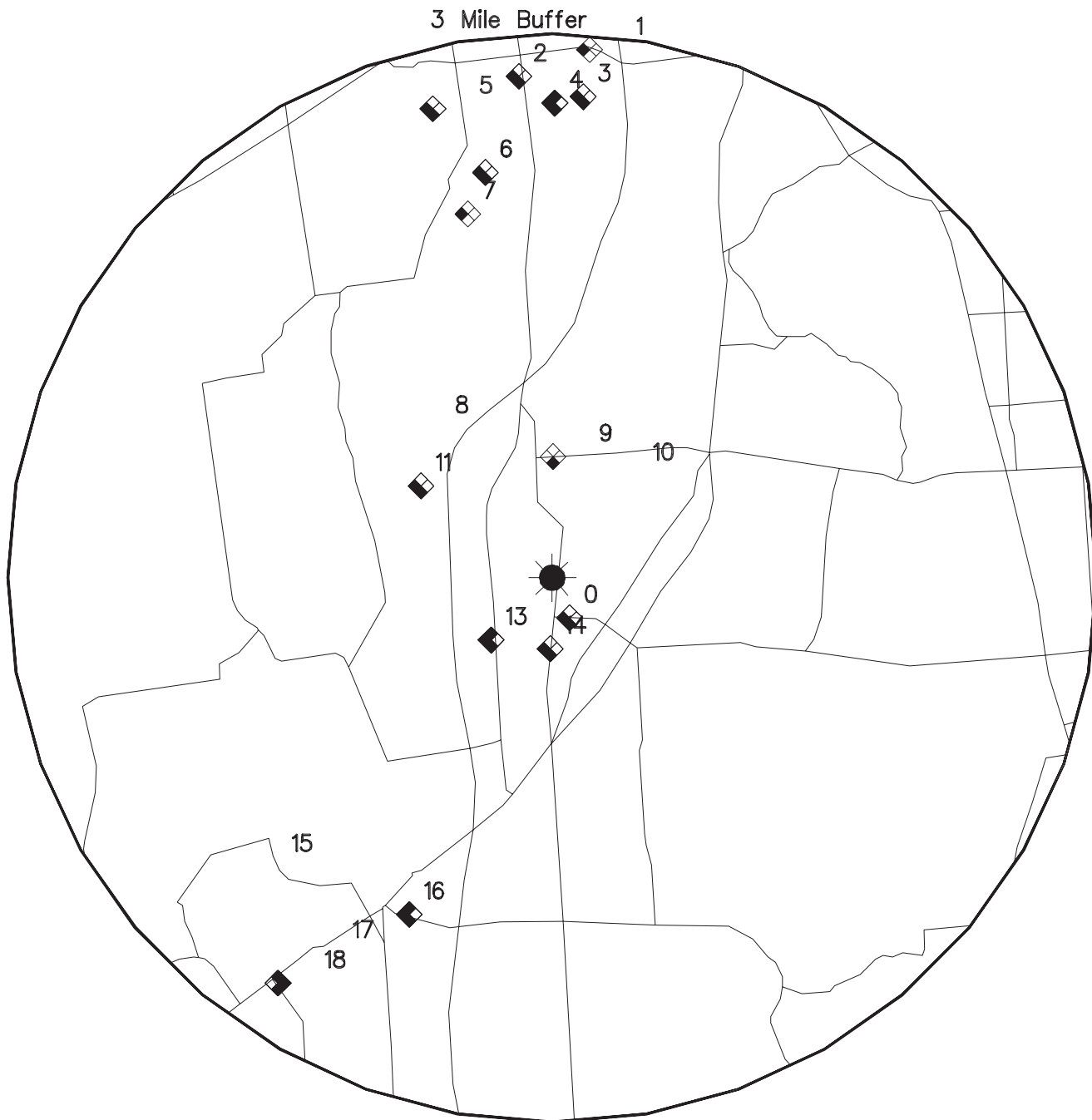
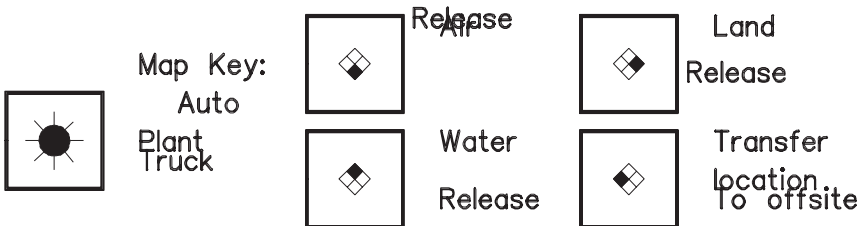
GENERAL MOTORS CORP
2601 W STROOP RD
MORaine OH
Tri Number: 45439GNRLM2601W

Map #	SIC	Name	Address	City	State
0	3713	GMC NATP MORaine ASSEMBLY PLANT	2601 W. STROOP RD.	MORaine	OH
1	3423	APEX COOPER POWER TOOLS DIV. COOPER POWER TOOLS DI	762 W. STEWART ST.	DAYTON	OH
2	3714	DAYTON WHEEL PRODS.	1147 S. BROADWAY	DAYTON	OH
3	2671	JAMES RIVER PAPER CO. INC.	1 SPECIALTY PL.	DAYTON	OH
4	3714	GMC DELCO CHASSIS DIV.	1420 WISCONSIN BLVD.	DAYTON	OH
5	3714	DAYTON ALLOY WHEEL	1117 W. STEWART ST.	DAYTON	OH
6	2879	MONSANTO CO.	1515 NICHOLAS RD.	DAYTON	OH
7	3471	PLATING TECH.	1525 W. RIVER RD.	DAYTON	OH
8	3325	DAYTON WALTHER CORP.	1361 MORRIS AVE. P.O. BOX 9157	DAYTON	OH
9	2541	DAYTON SHOWCASE CO.	2610 W. DOROTHY LN.	DAYTON	OH
10	2759	ALAN-LAF INC.	3127 ENCRETE LN.	DAYTON	OH
11	3841	NDM ACQUISITION CORP.	3040 E. RIVER RD.	DAYTON	OH
13	3585	GMC MORaine PLANT HARRISON DIV.	3600 DRYDEN RD.	MORaine	OH
14	3519	GMPT MORaine ENGINE PLANT	4100 SPRINGBORO RD.	MORaine	OH
15	2672	APPLETON PAPERS INC.	4000 HYDRAULIC RD.	WEST CARROLLTON	OH
16	2672	APPLETON PAPERS INC.	1030 W. ALEX-BELL RD.	WEST CARROLLTON	OH
17	2679	W. CARROLLTON PARCHMENT CO.	1 S. ELM ST. ST.	WEST CARROLLTON	OH
18	2621	MIAMI PAPER CORP.	51 S. ELM ST. P.O. BOX 66	WEST CARROLLTON	OH

AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP
MONTGOMERY COUNTY, Ohio

Latitude: 39 41 49
Longitude: 84 13 2



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
GENERAL MOTORS CORP TRI NO: 45439GNRLM2601W

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
<hr/>								
GMC NATP MORaine ASSEMBLY PLANT			SIC DESCRIPTION:	TRUCK & BUS BODIES			MAP LOCATION NO:	0
2601 W. STROOP RD.			SIC CODE: 3713					
MORaine	OH 45439							
METHANOL	25	190,000	0	0	190,025	0	187,000	187,000
N-BUTYL ALCOHOL	250	28,000	0	0	28,250	0	14,000	14,000
BENZENE	0	120	0	0	120	0	0	0
DICHLORODIFLUOROMETHANE	3,200	0	0	0	3,200	0	0	0
METHYL ETHYL KETONE	250	24,000	0	0	24,250	0	0	0
1,2,4-TRIMETHYLBENZENE	0	180	0	0	180	0	0	0
ETHYLBENZENE	0	2,000	0	0	2,000	0	0	0
METHYL ISOBUTYL KETONE	250	110,000	0	0	110,250	0	194,000	194,000
TOLUENE	250	7,300	0	0	7,550	0	0	0
CYCLOHEXANE	61	0	0	0	61	0	0	0
XYLENE (MIXED ISOMERS)	250	160,000	0	0	160,250	0	250,000	250,000
COPPER	0	10	0	0	10	0	0	0
LEAD COMPOUNDS	0	0	0	0	0	0	1,380	1,380
SUBTOTALS	4,536	521,610	0	0	526,146	0	646,380	646,380
<hr/>								
APEX COOPER POWER TOOLS DIV. COOPER POWER TOOLS DI			SIC DESCRIPTION:	HAND AND EDGE TOOLS, NEC			MAP LOCATION NO:	1
762 W. STEWART ST.			SIC CODE: 3423					
DAYTON	OH 45408							
CHROMIUM COMPOUNDS	0	0	0	0	0	0	7,400	7,400
MANGANESE COMPOUNDS	0	0	0	0	0	0	7,000	7,000
SUBTOTALS	0	0	0	0	0	0	14,400	14,400
<hr/>								
DAYTON WHEEL PRODS.			SIC DESCRIPTION:	MOTOR VEHICLE PARTS & ACCESSOR			MAP LOCATION NO:	2
1147 S. BROADWAY			SIC CODE: 3714					
DAYTON	OH 45408							
TETRACHLOROETHYLENE	7,960	7,960	0	0	15,920	0	2,963	2,963
NICKEL COMPOUNDS	5	0	0	0	5	61	0	61
SUBTOTALS	7,965	7,960	0	0	15,925	61	2,963	3,024

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
GENERAL MOTORS CORP TRI NO: 45439GNRLM2601W

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
<div> <div>JAMES RIVER PAPER CO. INC.</div> <div> <div>1 SPECIALTY PL. DAYTON</div> <div>OH 45408</div> </div> </div> <div> <div>SIC DESCRIPTION:</div> <div>SIC CODE: 2671</div> </div> <div> <div>COATED & LAMINATED PACKAGING</div> <div>MAP LOCATION NO: 3</div> </div>								
TOLUENE	113,000	32,000	0	0	145,000	0	96,100	96,100
CYCLOHEXANE	0	29,000	0	0	29,000	0	0	0
SUBTOTALS	113,000	61,000	0	0	174,000	0	96,100	96,100
<div> <div>GMC DELCO CHASSIS DIV.</div> <div> <div>1420 WISCONSIN BLVD. DAYTON</div> <div>OH 45408</div> </div> </div> <div> <div>SIC DESCRIPTION:</div> <div>SIC CODE: 3714</div> </div> <div> <div>MOTOR VEHICLE PARTS & ACCESSOR</div> <div>MAP LOCATION NO: 4</div> </div>								
ASBESTOS (FRIABLE)	250	250	0	0	500	0	100,000	100,000
	22,000	0	0	0	22,000	0	0	0
HYDROCHLORIC ACID	5	250	0	0	255	0	0	0
PHOSPHORIC ACID	5	250	0	0	255	0	0	0
HYDROGEN FLUORIDE	5	250	0	0	255	0	41	41
COPPER COMPOUNDS	0	5	7	0	12	590	53,983	54,573
CYANIDE COMPOUNDS	5	250	0	0	255	11	67	78
GLYCOL ETHERS	5,200	5,300	0	0	10,500	6,700	92,000	98,700
LEAD COMPOUNDS	0	5	3	0	8	130	48,870	49,000
ZINC COMPOUNDS	0	5	52	0	57	470	53,800	54,270
SUBTOTALS	27,470	6,565	62	0	34,097	7,901	348,761	356,662
<div> <div>DAYTON ALLOY WHEEL</div> <div> <div>1117 W. STEWART ST. DAYTON</div> <div>OH 45408</div> </div> </div> <div> <div>SIC DESCRIPTION:</div> <div>SIC CODE: 3714</div> </div> <div> <div>MOTOR VEHICLE PARTS & ACCESSOR</div> <div>MAP LOCATION NO: 5</div> </div>								
NICKEL COMPOUNDS	0	50	0	0	50	61	5,220	5,281
SUBTOTALS	0	50	0	0	50	61	5,220	5,281

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
GENERAL MOTORS CORP TRI NO: 45439GNRLM2601W

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS	
DAYTON SHOWCASE CO. 2610 W. DOROTHY LN. DAYTON OH 45439			SIC DESCRIPTION: SIC CODE: 2541	WOOD PARTI	SHELF,LOCK,ETC		MAP LOCATION NO:		9
1,1,1-TRICHLOROETHANE	0	10,530	0	0	10,530	0	0	0	
SUBTOTALS	0	10,530	0	0	10,530	0	0	0	
ALAN-LAF INC. 3127 ENCRETE LN. DAYTON OH 45439			SIC DESCRIPTION: SIC CODE: 2759	COMMERCIAL PRINTING, NEC			MAP LOCATION NO:		10
SUBTOTALS	0	0	0	0	0	0	0	0	
NDM ACQUISITION CORP. 3040 E. RIVER RD. DAYTON OH 45439 1494			SIC DESCRIPTION: SIC CODE: 3841	SURGICAL & MEDICAL INSTRUMENTS			MAP LOCATION NO:		11
TOLUENE	1,100	250	0	0	1,350	0	4,800	4,800	
SUBTOTALS	1,100	250	0	0	1,350	0	4,800	4,800	

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
GENERAL MOTORS CORP TRI NO: 45439GNRLM2601W

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
<div> <div>GMC MORaine PLANT HARRISON DIV.</div> <div>SIC DESCRIPTION: REFRIGERATION & HEATING EQUIP</div> <div>MAP LOCATION NO: 13</div> </div> <div> <div>3600 DRYDEN RD.</div> <div>SIC CODE: 3585</div> </div> <div> <div>MORaine</div> <div>OH 45439 1410</div> </div>								
METHANOL	1,100	0	0	0	1,100	0	62	62
N-BUTYL ALCOHOL	1,500	2,800	0	0	4,300	260	0	260
SEC-BUTYL ALCOHOL	1,500	9,400	0	0	10,900	2,800	222	3,022
METHYL ETHYL KETONE	690	110	62	0	862	0	885	885
ETHYLBENZENE	10	2	0	0	12	44	47	91
ETHYLENE GLYCOL	7	2	0	0	9	2,100	1,205	3,305
METHYL ISOBUTYL KETONE	250	0	0	0	250	0	44	44
TOLUENE	2,200	240	5	0	2,445	5	3,062	3,067
XYLENE (MIXED ISOMERS)	460	140	0	0	600	4	138	142
LEAD	9	0	0	0	9	8	86,933	86,941
MANGANESE	4	0	800	0	804	9	3,438	3,447
CHROMIUM	3	0	0	0	3	2	5,156	5,158
COPPER	32	4	0	0	36	290	453,780	454,070
HYDROCHLORIC ACID	410	610	0	0	1,020	0	2	2
PHOSPHORIC ACID	31	190	0	0	221	0	0	0
NITRIC ACID	210	380	0	0	590	0	0	0
GLYCOL ETHERS	30,000	17,000	0	0	47,000	240,000	989	240,989
LEAD COMPOUNDS	0	0	0	0	0	6	1,818	1,824
MANGANESE COMPOUNDS	0	0	89	0	89	70	1,300	1,370
NICKEL COMPOUNDS	0	0	0	0	0	210	1,120	1,330
ZINC COMPOUNDS	0	49	0	0	49	300	8,380	8,680
SUBTOTALS	38,416	30,927	956	0	70,299	246,108	568,581	814,689

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
GENERAL MOTORS CORP TRI NO: 45439GNRLM2601W

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS
APPLETON PAPERS INC. 1030 W. ALEX-BELL RD. WEST CARROLLTON OH 45449 1900			SIC DESCRIPTION: SIC CODE: 2672	COATED & LAMINATED, NEC			MAP LOCATION NO:	16
CHLOROFORM	13,000	23,000	0	0	36,000	0	8,500	8,500
HYDROCHLORIC ACID	0	120,000	0	0	120,000	0	0	0
SULFURIC ACID	0	31,000	0	0	31,000	0	0	0
CHLORINE	0	9,500	8	0	9,508	0	35,000	35,000
ZINC COMPOUNDS	0	0	0	0	0	0	15,000	15,000
SUBTOTALS	13,000	183,500	8	0	196,508	0	58,500	58,500
W. CARROLLTON PARCHMENT CO. 1 S. ELM ST. ST. WEST CARROLLTON OH 45449			SIC DESCRIPTION: SIC CODE: 2679	CONV PAPER & PAPERBRD PRODUCTS			MAP LOCATION NO:	17
SUBTOTALS	0	0	0	0	0	0	0	0
MIAMI PAPER CORP. 51 S. ELM ST. P.O. BOX 66 WEST CARROLLTON OH 45449			SIC DESCRIPTION: SIC CODE: 2621	PAPER MILLS			MAP LOCATION NO:	18
HYDROCHLORIC ACID	374	3,120	0	0	3,494	0	0	0
PHOSPHORIC ACID	0	5	0	220	225	0	0	0
AMMONIA	1,985	769	755	0	3,509	0	0	0
SULFURIC ACID	0	10,400	0	0	10,400	0	0	0
SUBTOTALS	2,359	14,294	755	220	17,628	0	0	0

General Motors Moraine Montgomery County, Ohio

Latitude: 39 41 49 N
Longitude: 84 13 2 W

MAP KEY:

- County Boundaries
- Inter State Highway
- US Highway
- Rail Road
- One Mile
- Three Miles
- Five Miles

POPULATION DENSITY / SQ. MILE

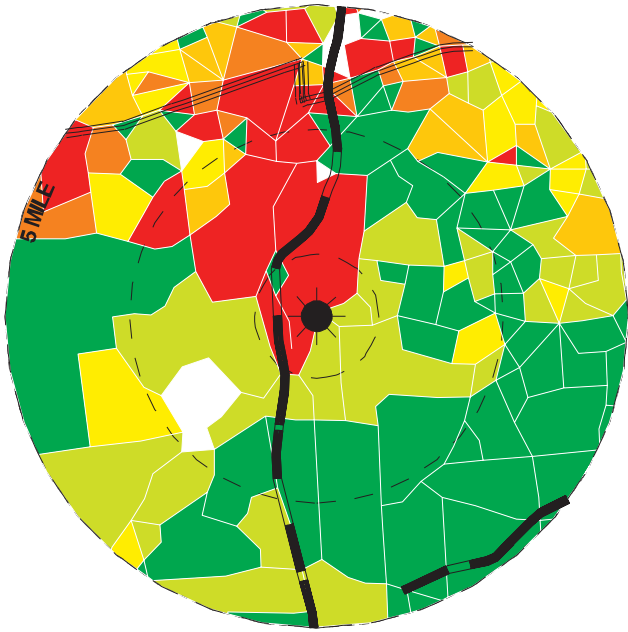
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School Incomplete percentages

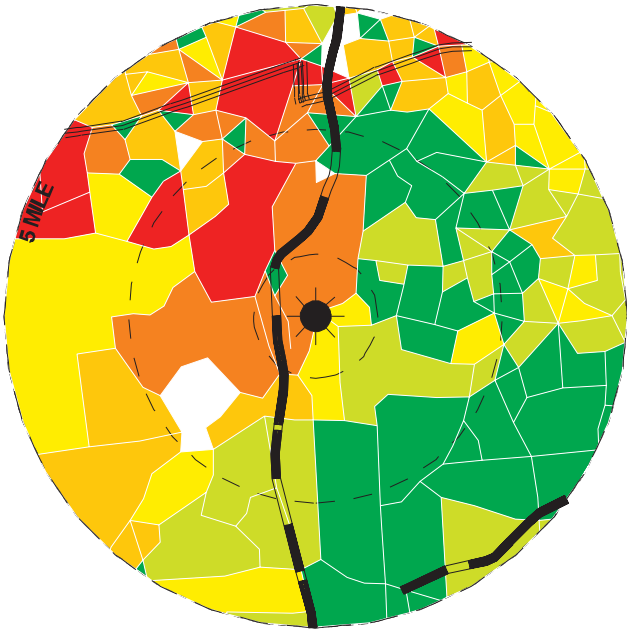
- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
- 0 - 10



Percentage of Total Population Below Poverty Level



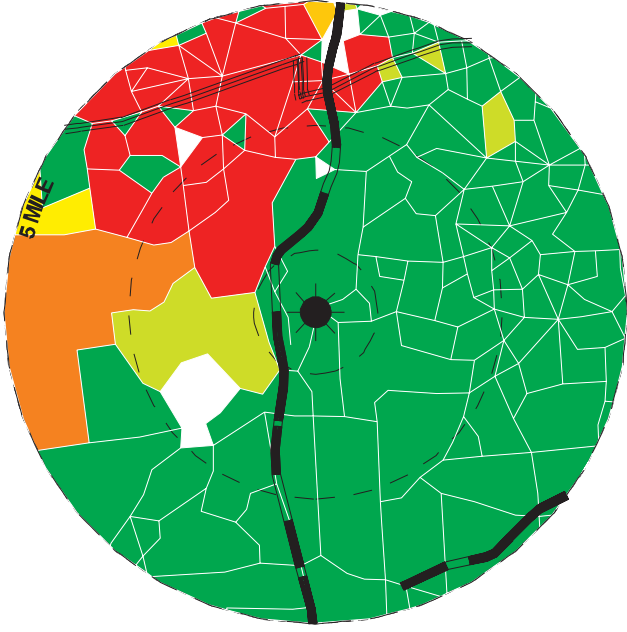
Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population



General Motors Moraine Montgomery County, Ohio

Latitude: 39 41 49 N
Longitude: 84 13 2 W

MAP KEY:

- County Boundaries
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POPULATION DENSITY / SQ. MILE

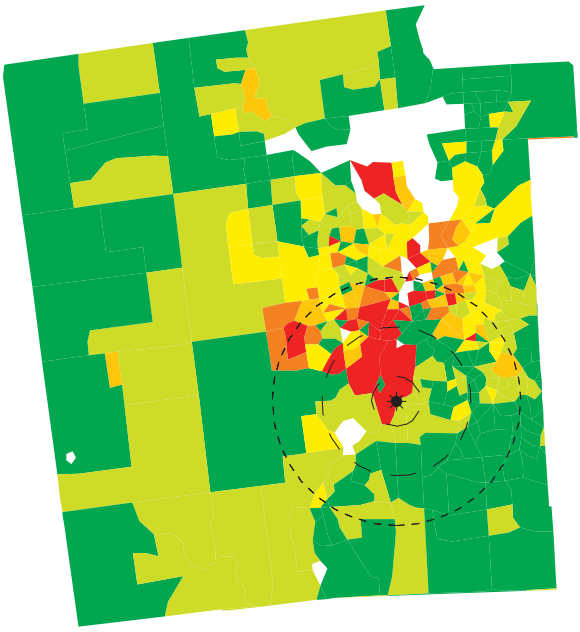
- Greater than 10000
- 1000 - 10000
- 100 - 1000
- 10-100
- 1-10

Minority, poverty, and High School Incomplete percentages

- Greater than 50
- 40 - 50
- 30 - 40
- 20 - 30
- 10 - 20
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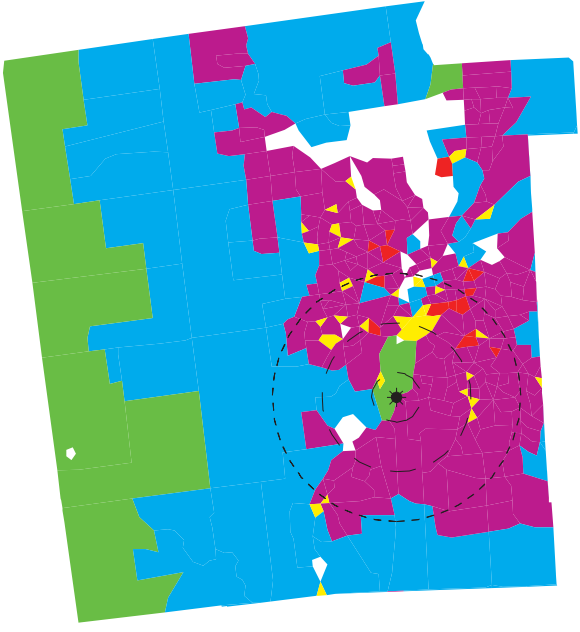
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population

